



PATENT APPLICATION
Attorney's Do. No. 1138-71

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of:

DAH WEN TSANG; JOHN W. MOSIER II, deceased;
DOUGLAS A. PIKE, JR. and
THEODORE O. MEYER

Examiner S. Loke

Serial No. 09/144,579

Group Art Unit 2811

Filed: August 31, 1998

For: SELF ALIGNED VERTICAL POWER MOSFET WITH
ENHANCED BASE REGION

Assistant Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

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ON: 18 May 2001

[Signature]

AMENDMENT

Responsive to the Office Action dated November 21, 2000, for which a three-month extension is requested on the attached transmittal letter, please amend the application as follows:

05/24/2001 AZERGAW1 00000116 09144579
01 FC:103 810.00 DP
02 FC:117 890.00 DP
In the claims.

Please amend the claims to read as follows:

Subt F³
Cancel claims 23 and 30-42.

43. (New) A recessed gate field effect power MOS device having a vertically oriented channel comprising:

fig. 13
a semiconductor substrate including first and second laterally-extending layers of first and second opposite polarity dopants defining a body layer and an underlying drain layer; a first trench having sidewalls extending depthwise from an upper surface of the

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